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8N1007-1037 GREILLG PADGMVSKGWRL LAPITAYAQQTR
N1007-1021 GREILLG PADGMVSK
N1011-1025 LLG PADGMVSKGWRL
N1015-1029 ADGMVSKGWRL LAP I
N1019-1033 VSKGWRL LAPITAYA
N1020-1034 SKGWRL LAPITAYA Q
N1024-1037 RLLAPITAYAQQTR
15N1174-1195 GHAVGIFRAAVCTR GVAKAVDF
N1174-1188 GHAVGIFRAAVCTR G
N1178-1192 GIFRAAVCTR GVAKA
N1181-1195 RAAVCTR GVAKAVDF
28N1524-1553 GAAWYELTPAETTVRLRAYMNT PGLPVAQD
N1524-1538 GAAWYELTPAETTVR
N1528-1542 YELTPAETTVRLRAY
N1529-1543 ELTPAETTVRLRAYM
N1534-1548 ETTVRLRAYMNT PGL
N1538-1552 RLRAYMNT PGLPVAQ
N1540-1553 RAYMNT PGLPVAQD
18N1246-1275 AQGYKVLVLNPSVAATLGFGAYMSKAHGID
N1246-1260 AQGYKVLVLNPSVAA
N1250-1264 KVLVLNPSVAATLGF
N1255-1269 NPSVAATLGFGAYMS
N1261-1275 TLGFGAYMSKAHGID
1C19-47 PQDVKFPGGGQIVGGVYLLPRRGPRLGVR
2C31-57 VGGVYLLPRRGPRLGVRATRKT SERSQ
C19-33 PQDVKFPGGGQIVGG
C27-41 GGQIVGGVYLLPRRG
C31-45 GGVYLLPRRGPRLGVR
C43-57 RLGVRATRKT SERSQ
5C127-149 TAGFADLMGYIPLVGAPLGGAAR
6C148-173 ARALAHGVRVLEDGVNYATGNLPGAS
C127-141 TAGFADLMGYIPLVG
C131-145 ADLMGYIPLVGAPLG
C134-148 MGYIPLVGAPLGGAAR
C141-155 GAPLGGAARALAHGV
C148-163 ARALAHGVRVLEDGV
C152-166 AHGVRVLEDGVNYAT
C159-173 EDGVNYATGNLPGAS
16N1190-1212 AKAVDFIPVENLETTMRSFVFTD
N1190-1204 AKAVDFIPVENLETT
N1192-1206 AVDFIPVENLETTMR
N1196-1210 IPVENLETTMRSFV
N1199-1212 ENLETTMRSFVFTD
19N1275-1304 DPNIRTGVRTITTTGSPITYSTYGKFLADGG
N1275-1289 DPNIRTGVRTITTTGS
N1279-1293 RTGVRTITTTGSPITY
N1283-1297 RTITTTGSPITYSTYG
N1290-1304 PITYSTYGKFLADGG
10N KNQVEGEVQIVSTAAQTFLAT
N1052-1066 KNQVEGEVQIVSTAA
N1056-1070 EGEVQIVSTAAQTFL
23N GKAI PLEVIKGRHLIFCHSKKKADEL
N1377-1391 GKAI PLEVIKGRHL
N1381-1395 PLEVIKGRHLIFCH
N1383-1397 EVIKGRHLIFCHSK
N1389-1403 RHLIFCHSKKKADEL
27N KPGIYRFVAPGERPSGMFD
N1495-1509 KPGIYRFVAPGERPS
N1500-1513 RFVAPGERPSGMFD
29N QDHLEFWEGVFTGLTHIDAHFLSQTKQSGENL
1554-1568 HLEFWEGVFTGLTHI
1565-1579 LTHIDAHFLSQTKQS

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Figure 1

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| | DR1 | DR3 | DR4 | DR7 | DR11 | DR13 | DR15 | DRB3 | DRB4 | DRB5 | DP401 | DP402 | Nb |
|--------------|--------|---------|-------|------|------|---------|-------|---------|-------|------|---------|---------|----|
| 26N1456-1481 | 2 | 575 | 8 | 20 | 350 | 300 | 180 | 40 | 350 | 750 | nd | nd | 10 |
| 8N1007-1037 | 2 | 200 | 10 | 88 | 1 | 1250 | 30 | 15000 | 60 | 2 | 7205 | 881 | 9 |
| 28N1524-1553 | 2 | 1375 | 13 | 5 | 18 | 10000 | 1 | 663 | 30 | 20 | 6296 | 141 | 9 |
| 1C19-47 | 350 | >100000 | 70000 | 483 | 58 | 288 | 158 | >100000 | 6000 | 9 | 4524 | 750 | 7 |
| 10N1052-1072 | 400 | 2250 | 24 | 7 | 200 | nd | 300 | 10000 | 400 | 19 | 2034 | 1183 | 7 |
| 15N1174-1195 | 3 | 30000 | 30 | 33 | 45 | 10000 | 90 | 4500 | 98 | 20 | 17818 | 2975 | 7 |
| 19N1275-1304 | 150 | >100000 | 500 | 113 | 16 | >100000 | 550 | 150 | 3500 | 1300 | 548 | 1825 | 7 |
| 29N1552-1583 | 475 | 17500 | 1875 | 275 | 100 | 6500 | 500 | 4125 | 1500 | 325 | 575 | 615 | 7 |
| 2C31-57 | 233 | >100000 | 35000 | 500 | 38 | 325 | 133 | >100000 | 17500 | 3 | >100000 | >100000 | 6 |
| 16N1190-1212 | 600 | 2750 | 28 | 35 | 90 | 4500 | 700 | 25000 | 1250 | 725 | 4106 | 1438 | 6 |
| 18N1246-1275 | 1 | 2500 | 5 | 15 | 40 | 900 | 58 | >30000 | 2500 | 1250 | >100000 | 11402 | 6 |
| 23N1377-1403 | 13 | 7750 | 3000 | 750 | 78 | 163 | 2625 | >10000 | 900 | 3 | 11004 | 1672 | 6 |
| 27N1495-1513 | 163 | >100000 | 1250 | 313 | 175 | >100000 | 150 | 40000 | 1083 | 2 | >100000 | >100000 | 6 |
| 5C127-149 | 2 | >100000 | 38333 | 14 | 217 | >100000 | 350 | >100000 | 150 | 3 | 5957 | 5428 | 5 |
| 9N1036-1055 | 93 | 6000 | 60 | 1250 | 163 | >100000 | 10000 | 35000 | 60000 | 10 | 5329 | 4577 | 5 |
| 11N1076-1093 | 138 | >100000 | 1500 | 13 | 650 | >100000 | 450 | 6000 | 2500 | 100 | 31072 | 11292 | 5 |
| 13N1127-1153 | 700 | >100000 | 3500 | 17 | 17 | 300 | 3250 | >10000 | 100 | 500 | >100000 | 8707 | 5 |
| 14N1149-1172 | 8 | >100000 | 9000 | 105 | 1967 | >100000 | 825 | >10000 | 100 | 567 | >100000 | >100000 | 5 |
| 17N1206-1239 | 55 | 25000 | 425 | 575 | 550 | >100000 | 10000 | 5250 | 3875 | 350 | 64807 | 14550 | 5 |
| 24N1404-1432 | 50 | >100000 | 140 | 575 | 1500 | 100000 | 7 | 22500 | 2500 | 538 | 32711 | 7035 | 5 |
| 4C104-133 | 118 | 5167 | 1033 | 125 | 867 | >100000 | 1250 | 17500 | 3333 | 433 | 13925 | 5384 | 4 |
| 22N1362-1387 | 33 | 21250 | 1625 | 20 | 3000 | >100000 | 425 | 32500 | 4000 | 200 | 8005 | 10284 | 4 |
| 12N1094-1119 | >10000 | nd | 475 | nd | nd | nd | 48 | >10000 | nd | nd | nd | 3000 | 2 |
| 3C93-107 | 6333 | 50000 | 60000 | 6500 | 87 | >100000 | 27500 | >100000 | 5000 | 2567 | >100000 | >100000 | 1 |
| 6C148-173 | 10000 | 3500 | 30 | 3167 | 4333 | 9500 | 6667 | 4833 | 27500 | 4333 | >100000 | 31582 | 1 |

Figure 2

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| | DR1 | DR3 | DR4 | DR7 | DR11 | DR13 | DR15 | DR17 | DR14 | DR15 | DP401 | DP402 | Nb |
|------------|-------|---------|---------|-------|---------|---------|-------|---------|---------|---------|---------|---------|----|
| N1007-1021 | 9 | 325 | 5500 | 15000 | 2417 | >10000 | 24 | 70000 | 83 | 1400 | >100000 | 350 | 5 |
| N1011-1023 | 2125 | >10000 | >100000 | 188 | 100000 | >10000 | 25500 | >100000 | 80000 | 6750 | >100000 | >100000 | 1 |
| N1015-1029 | 2 | >10000 | 4250 | 138 | 30 | >10000 | 417 | >100000 | 17500 | 200 | 51299 | 2983 | 5 |
| N1019-1033 | 0.4 | >10000 | 4 | 413 | 1 | >10000 | 73 | 60000 | 1250 | 3 | >100000 | >100000 | 6 |
| N1020-1034 | 0.5 | >10000 | 14 | 350 | 1 | >10000 | 52 | >100000 | 517 | 3 | >100000 | 20000 | 7 |
| N1024-1037 | 225 | >10000 | 14750 | 5000 | 925 | 1500 | 102 | >100000 | 1050 | 1400 | 27386 | 11361 | 3 |
| N1174-1183 | 4 | >10000 | 700 | 525 | 750 | 30000 | 45 | >100000 | 583 | 23 | 19774 | 1538 | 7 |
| N1178-1192 | 2 | >100000 | 33 | 145 | 40 | 15000 | 1150 | 10000 | 7500 | 19 | >100000 | >100000 | 5 |
| N1181-1194 | 1800 | >100000 | 60000 | 20000 | 20000 | >100000 | 31000 | >100000 | 48333 | 2250 | >100000 | >100000 | 0 |
| N1524-1538 | 3 | >10000 | 285 | 63 | 200 | >10000 | 11067 | >10000 | >100000 | 230 | 12051 | 119 | 6 |
| N1528-1542 | 950 | 6000 | 2000 | 800 | 325 | >10000 | 450 | >10000 | >100000 | 90 | >100000 | 22863 | 5 |
| N1529-1543 | 450 | >10000 | 8750 | 30000 | 288 | >10000 | 117 | >10000 | 55000 | 1300 | >100000 | >100000 | 3 |
| N1534-1548 | 100 | >10000 | 535 | 850 | 100 | 10000 | 2 | >10000 | 128 | 517 | 51844 | 23990 | 7 |
| N1538-1552 | 3 | >10000 | 80 | 10 | 16 | >10000 | 9 | 2000 | 1500 | 18 | 1711 | 182 | 7 |
| N1540-1553 | 9 | >10000 | 450 | 25 | 275 | >10000 | 6500 | >10000 | 60000 | 198 | 13949 | 2590 | 5 |
| N1246-1260 | 6 | 12000 | 18 | 375 | 53 | 11500 | 150 | 90000 | 30000 | 2300 | nd | nd | 5 |
| N1250-1264 | 9 | 4250 | 20 | 8 | 390 | 10000 | 210 | 40000 | 6500 | 450 | nd | nd | 6 |
| N1255-1269 | 650 | >100000 | 9000 | 625 | 5000 | >100000 | 1150 | >100000 | >100000 | 4250 | nd | nd | 2 |
| N1261-1275 | 650 | >100000 | 16500 | 66 | 83 | >100000 | 700 | >100000 | >100000 | 850 | nd | nd | 5 |
| C19-33 | 21750 | >10000 | >100000 | 70000 | >100000 | >100000 | 600 | >10000 | >100000 | >100000 | >100000 | 73485 | 1 |
| C27-41 | 1550 | >10000 | >100000 | 6333 | 140 | 4967 | 800 | >10000 | 23000 | 1600 | 667 | 193 | 4 |
| C31-45 | 80 | >10000 | 35000 | 1400 | 68 | 533 | 25 | >10000 | 40000 | 16 | nd | nd | 5 |
| C43-57 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | 0 |
| C127-141 | 67 | >10000 | 45000 | 16300 | 7500 | >100000 | 750 | 4500 | >100000 | 6667 | 1095 | 3000 | 2 |
| C131-145 | 1 | >10000 | 2600 | 51 | 473 | >100000 | 18 | >10000 | 1033 | 11 | 9000 | 15000 | 5 |
| C134-148 | 1 | >10000 | 3000 | 78 | 733 | >100000 | 110 | >10000 | >100000 | 9 | 5000 | 3464 | 5 |
| C141-155 | 3500 | >10000 | 80000 | 11800 | 490 | >100000 | 50000 | >10000 | >100000 | 8333 | 9487 | 5916 | 1 |
| C148-163 | 1350 | >100000 | 71667 | 575 | 3600 | 3053 | 2433 | 25000 | 62500 | 13000 | nd | nd | 1 |
| C152-166 | 50000 | 6333 | 1500 | 35350 | 25000 | >100000 | 20000 | 9000 | >100000 | >100000 | nd | nd | 0 |
| C159-173 | 45000 | >100000 | 36667 | 25450 | 60000 | >100000 | 12500 | >100000 | >100000 | >100000 | nd | nd | 0 |
| N1190-1204 | 417 | >100000 | 1633 | 157 | 140 | >100000 | 400 | >100000 | >100000 | 4467 | 5674 | 2507 | 4 |
| N1192-1206 | 140 | >100000 | 575 | 140 | 150 | >100000 | 1330 | >100000 | >100000 | 1467 | 7731 | 1558 | 4 |
| N1196-1210 | 2567 | 3700 | 1750 | 27500 | 1467 | 7000 | 7000 | >100000 | >100000 | 1433 | 63164 | 28020 | 0 |
| N1199-1212 | 3000 | 4000 | 22500 | 12000 | 3000 | 6000 | 7500 | >100000 | >100000 | 32500 | 6028 | 2397 | 0 |
| N1275-1289 | 2667 | >10000 | 40333 | 1933 | 1850 | >10000 | 10000 | >100000 | >100000 | 16000 | 55000 | >100000 | 0 |
| N1279-1293 | 1217 | >10000 | 9667 | 3100 | 83500 | >10000 | 21000 | >100000 | 6900 | 21500 | 28460 | 40149 | 0 |
| N1283-1297 | 800 | >10000 | 22000 | 10933 | >100000 | >10000 | 4500 | >100000 | >100000 | 80000 | 80000 | >100000 | 1 |
| N1290-1304 | 3500 | >10000 | 25667 | 1013 | 100 | >10000 | 135 | 550 | >100000 | 3000 | 1638 | 1288 | 3 |
| N1032-1066 | 35000 | >100000 | 20000 | 28000 | 9000 | >100000 | 27000 | >100000 | 70000 | 90000 | nd | nd | 0 |
| N1056-1070 | 1650 | >100000 | 700 | 105 | 2600 | >100000 | | >100000 | >100000 | 170 | nd | nd | 3 |
| N1377-1391 | 2250 | >100000 | 45000 | 10000 | 1700 | >100000 | 10500 | >100000 | 40667 | 100 | 23664 | 8062 | 1 |
| N1381-1395 | 24 | 1350 | 3350 | 1530 | 540 | 140 | 690 | >100000 | 10667 | 150 | >100000 | >100000 | 5 |
| N1385-1397 | 60 | 4250 | 3050 | 700 | 68 | 373 | 1500 | 80000 | 31000 | 150 | >100000 | >100000 | 5 |
| N1389-1403 | 7000 | >100000 | >100000 | 8000 | 3000 | >100000 | 45000 | >100000 | >100000 | 43 | >100000 | >100000 | 1 |
| N1495-1509 | 105 | nd | 1950 | 950 | 355 | nd | 50 | >100000 | 3167 | 2 | nd | nd | 5 |
| N1500-1513 | 3750 | nd | 55000 | 6500 | 70000 | nd | 33500 | >100000 | >100000 | 5500 | nd | nd | 0 |
| N1554-1568 | 1200 | >100000 | 8250 | 1300 | 675 | >100000 | 1000 | >100000 | >100000 | 1350 | 347 | 315 | 3 |
| N1565-1579 | 550 | >100000 | 12500 | 6000 | 150 | >100000 | 31500 | >100000 | >100000 | 575 | 25000 | 16631 | 3 |

Figure 3

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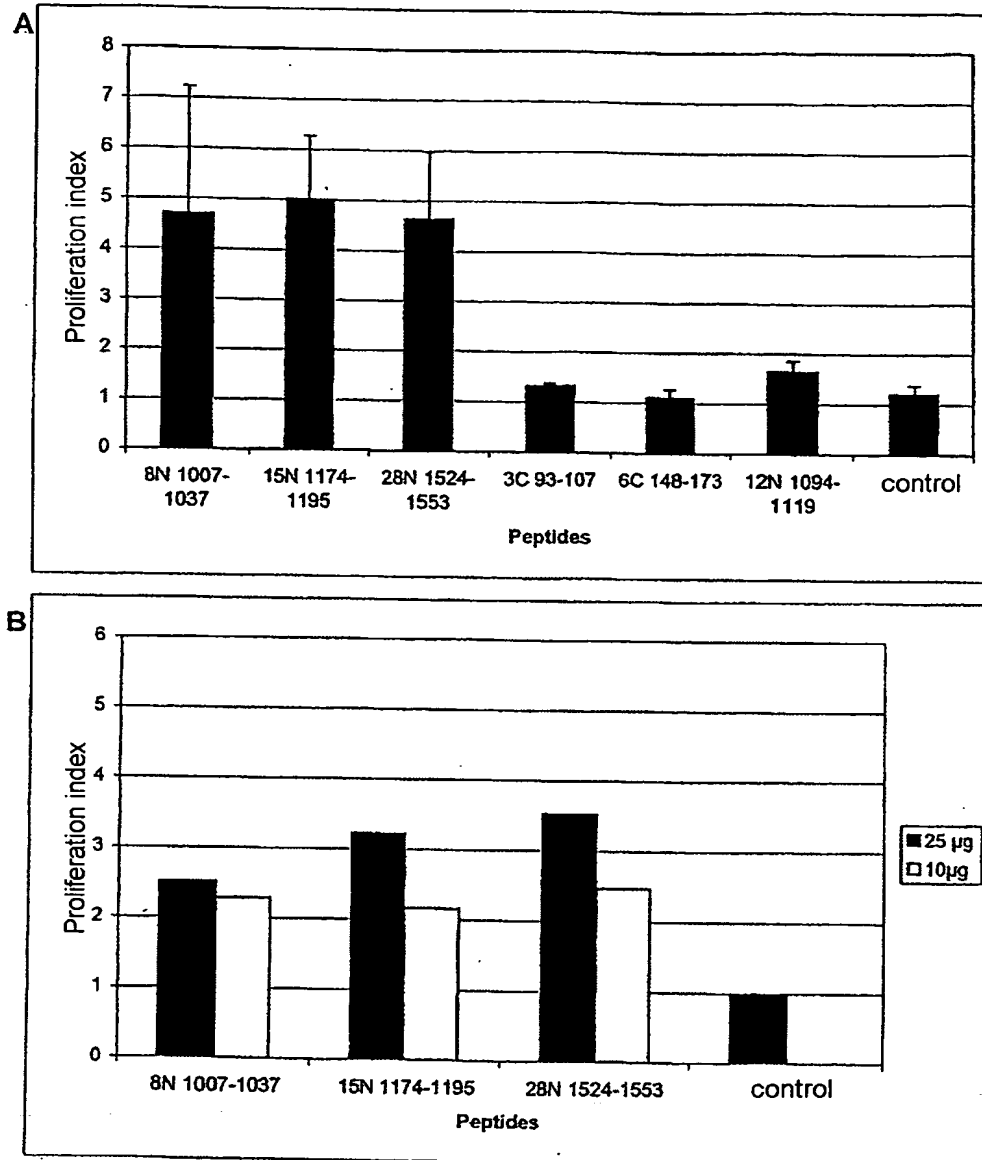


Figure 4

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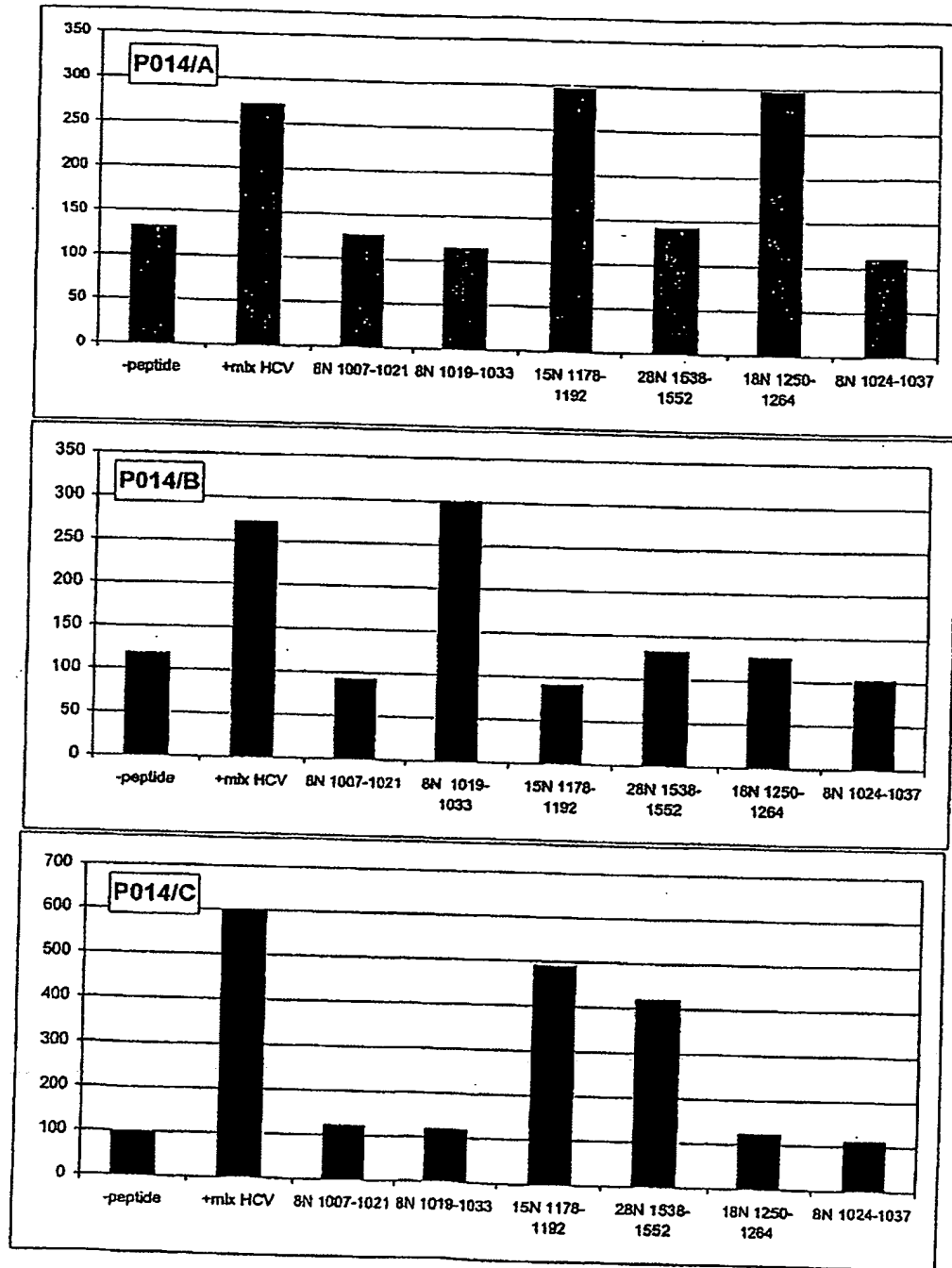


Figure 5